

# BIOENERGY 2010

warming to wood energy



JOINTLY PRESENTED BY:



Funded by the Forest Service of the Department of Agriculture, Fisheries and Food under the National Development Plan 2007 – 2013.



The Sustainable Energy Authority of Ireland is financed by Ireland's EU Structural Funds Programme co-funded by the Irish Government and the European Union.

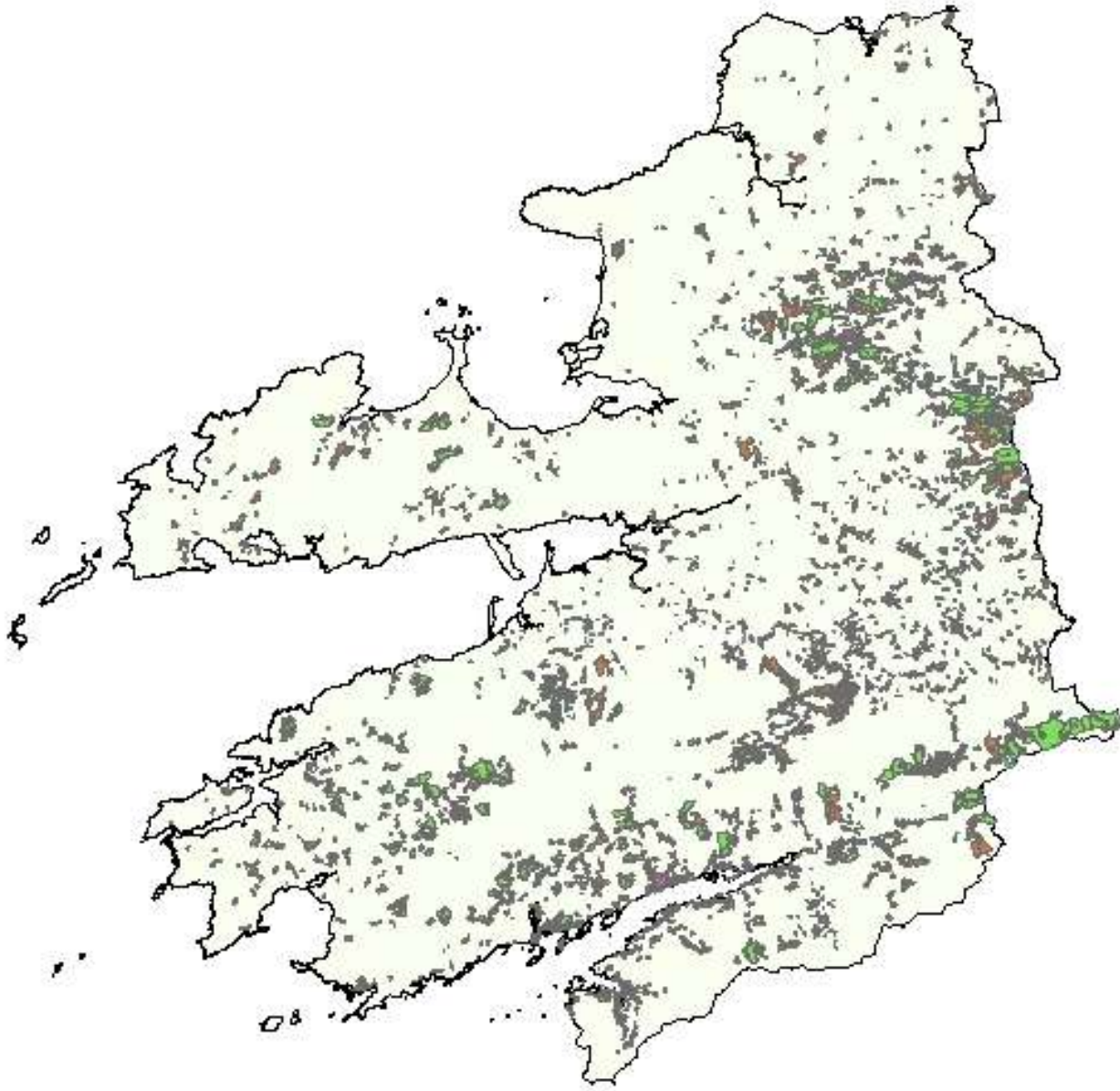
# Wood Energy In Kerry Realising the Potential



Tom Houlihan, Teagasc Forestry  
Development Unit  
Ciaran Nugent, Forest Service, DAFF

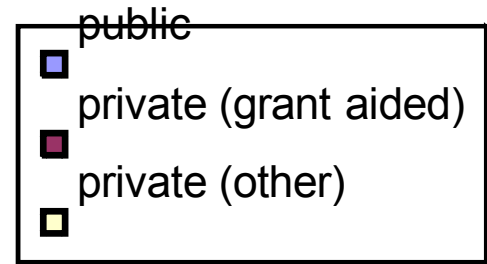
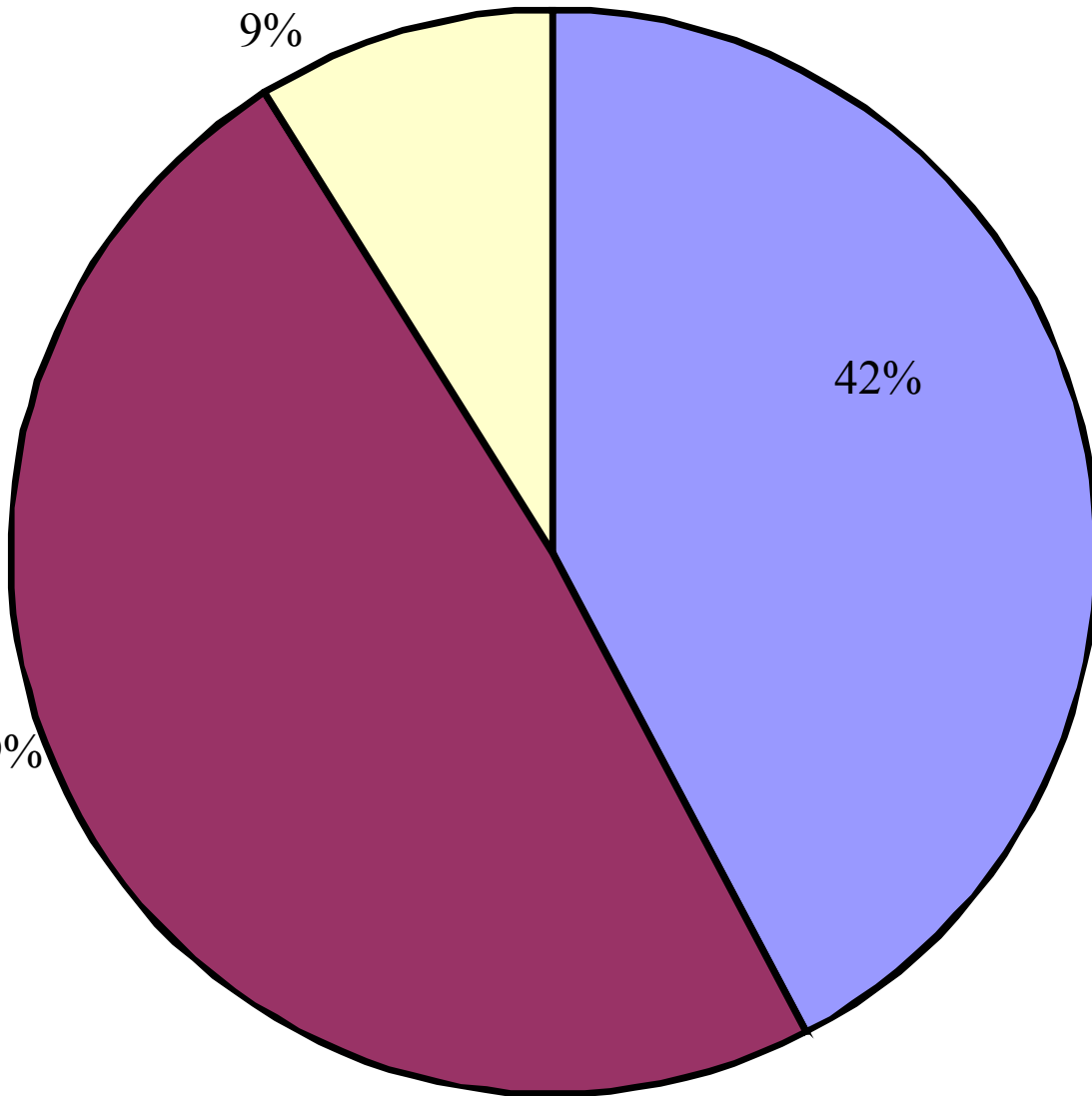


# Forest Resource in County Kerry (NFI 07)



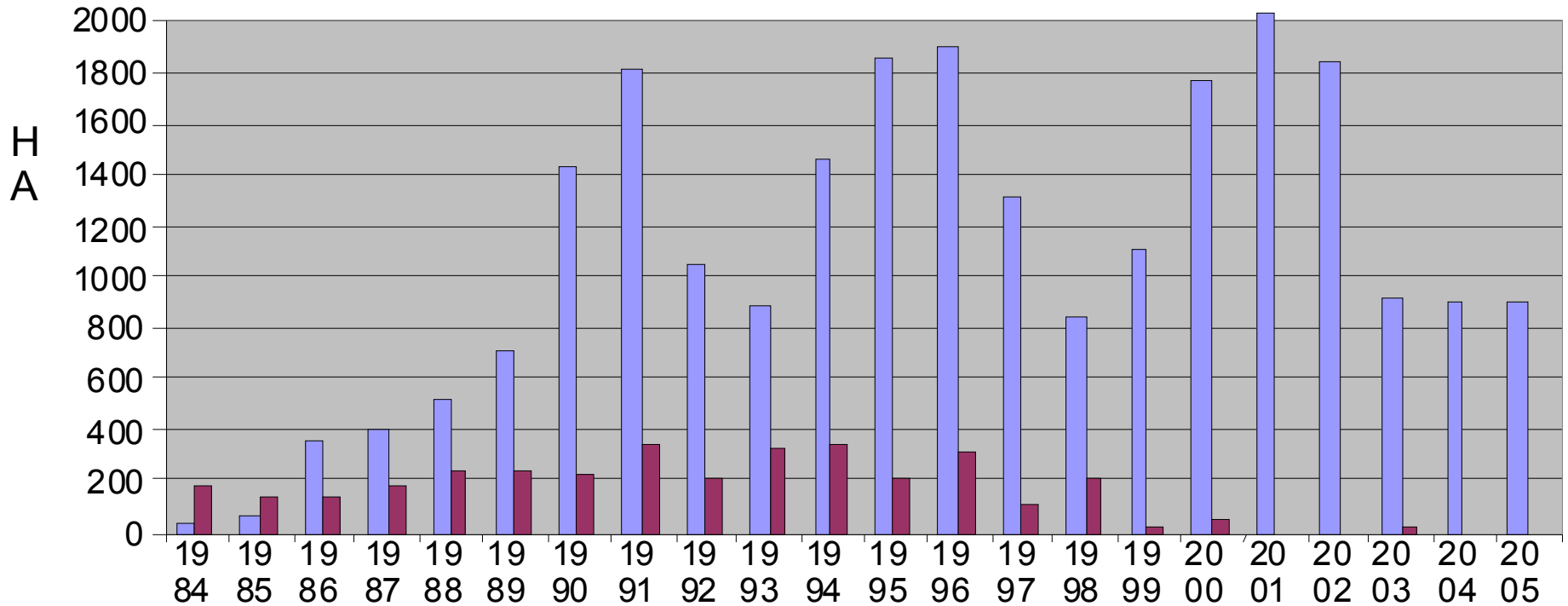
# Forestry In Kerry

- 11.5% Forest Cover – 55,000ha approx.
- 22,000ha State forestry – Coillte/NPWS
- Major private planting programme
- 58% of Forestry in Kerry is Privately owned
- 33,000ha of 55,000ha - 7000ha T1 stage
- Over 1400 individual units Avg. Area 9ha
- Estimate employment 200 FTE
- Direct Supports €5m p.a.

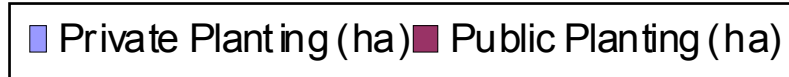




# County Kerry Private/Public Planting 1984-2005

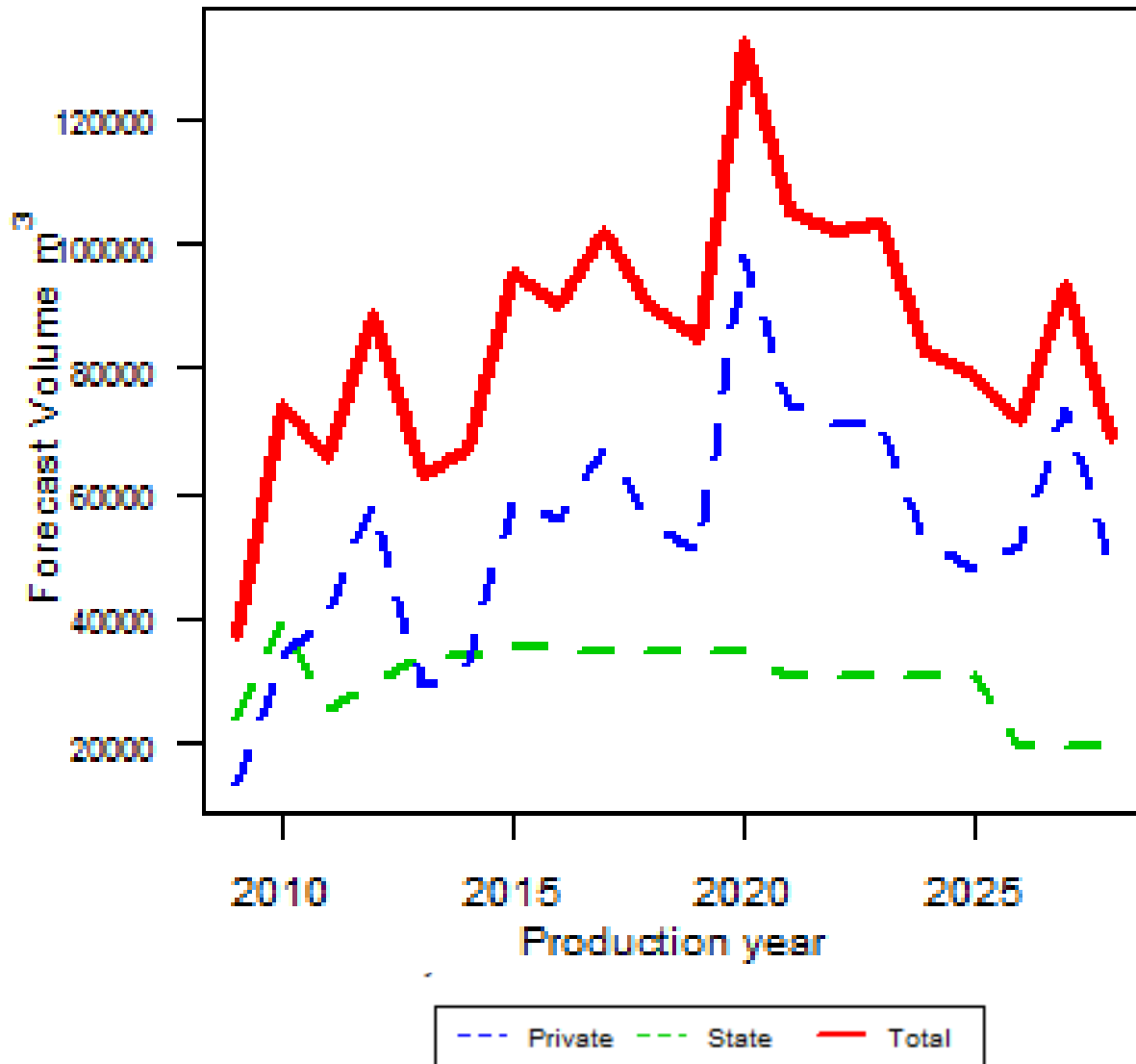


PlantingYear



# Updated Roundwood Production Forecast

7-13cm<sup>3</sup>



Source: Coillte state data

# Electricity Generating Stations & Power Lines

## Legend

- Towns (population)
- ⊙ 500 - 999
  - ⊙ 1000 - 4999
  - ⊙ 5000 - 15000
  - ⊙ County Town

## Electricity Generating Stations

- Solid Fuel / Heavy Fuel Oil
- Hydro
- Hydro (proposed)
- Wind
- Wind (proposed)

## Electricity Power Lines

- 220 KV
- 110 KV
- 38 KV

- Roads
- National Primary
  - National Secondary
  - Regional
  - Third Class

## Elevation (m)

- 0 - 100
- 101 - 250
- 251 - 500
- 501 - 700
- >700

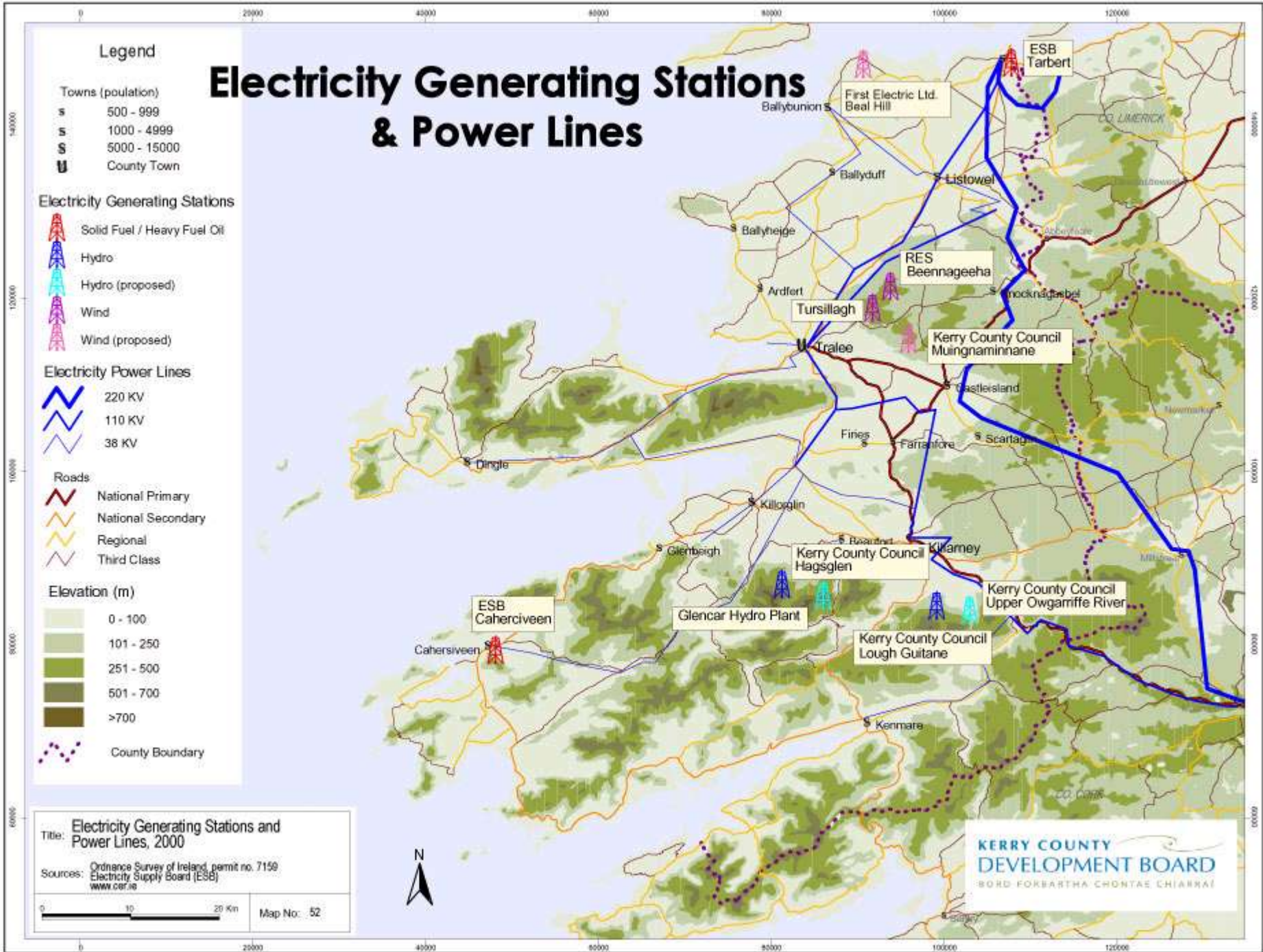
- County Boundary

Title: Electricity Generating Stations and Power Lines, 2000

Sources: Ordnance Survey of Ireland, permit no. 7159  
Electricity Supply Board (ESB)  
[www.esb.ie](http://www.esb.ie)

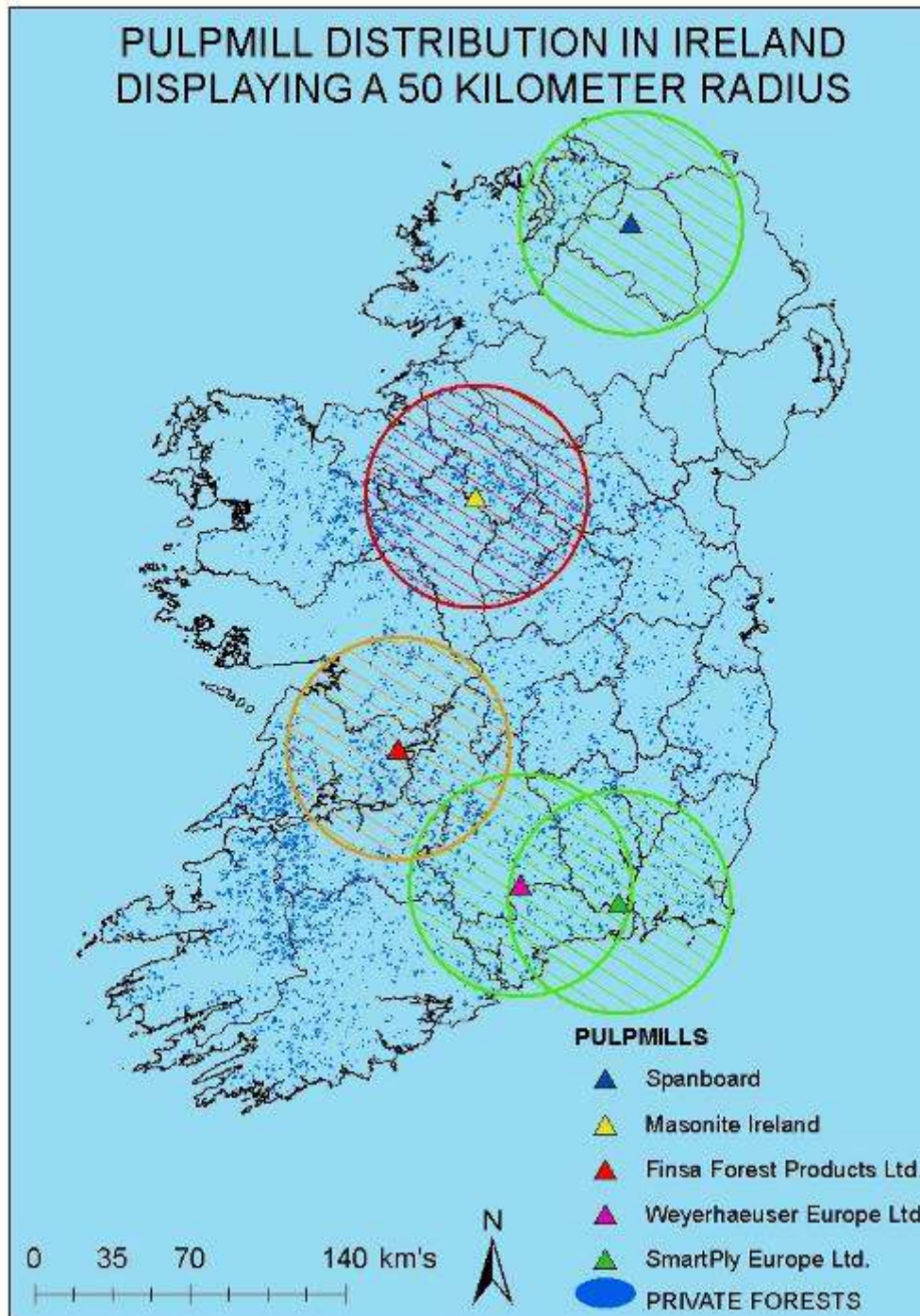
0 10 20 Km

Map No: 52



**KERRY COUNTY DEVELOPMENT BOARD**  
BORD FORBARTHA CHONTAS CHIARRAI

# PULPMILL DISTRIBUTION IN IRELAND DISPLAYING A 50 KILOMETER RADIUS



**Prepared by Niall  
Farrelly & Karl  
Maguire, Teagasc**

# Kerry Wood Energy Project

- Private forestry challenges
- Peripherality from timber and energy markets
- Need for secure local renewable heat energy for businesses
- Availability of suitable medium-large energy users
- Need to develop a complete wood fuel supply chain

# Benefits of the Woodfuel Market to Wider Community

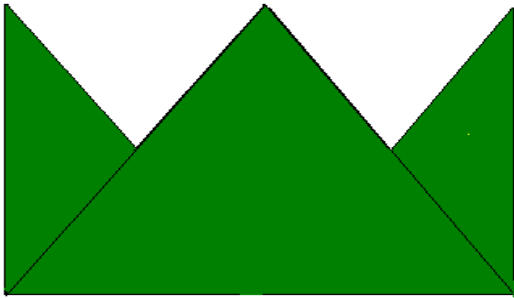
- Stimulation of local enterprise and employment
- Reduced dependence on imported fuels with volatile prices
- Retention of fuel expenditure within the local economy
- Woodfuel is “Carbon Neutral” and Carbon Tax Exempt





**Potential for 200+ Jobs**

# Consortium



**MEITHEAL FORAOISE  
CHIARRAI**



- Private Forestry Growers
- Forest Service
- ICMSA
- IFA
- Kerry Co. Co.
- North and East Kerry Development
- South Kerry Development Partnership
- Udaras Na Gaeltachta
- Teagasc
- Tree Council of Ireland





## Common Goal

To facilitate maximum returns from Farm Forestry to forest owners and the wider economic and social fabric of Co. Kerry.

# Project Objectives



1. Promote awareness



1. Facilitate development of wood fuel supply chain



1. Enable development of wood heat pilot projects

# Professional Expertise



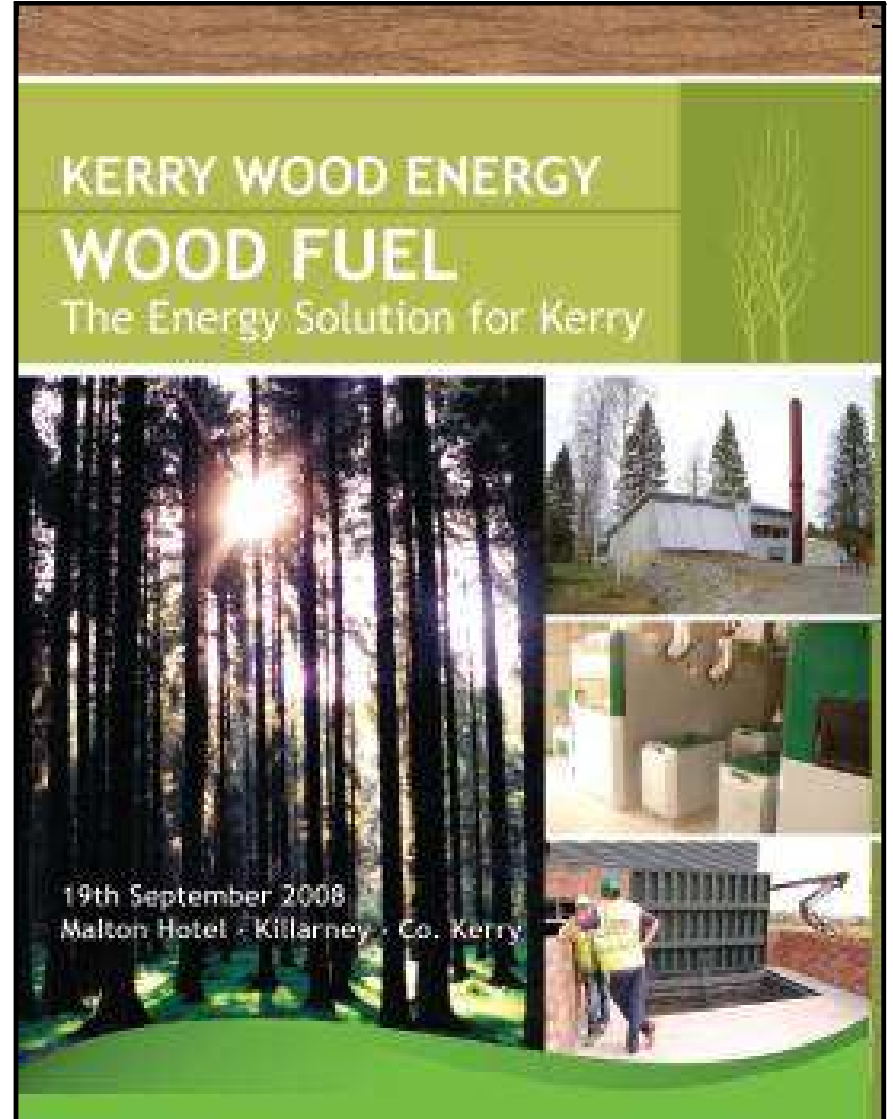
## Forest Resource Co-ordinator

- Promotion
- Forest assessment/inventory
- Support to forest owners
- Support to Heat Specialist
- Training
- Demonstration forests
- Reporting

## Wood Heat Specialist

- Promotion
- Site visits
- Project evaluation
- Feasibility Studies
- Supply/Tender documents
- Advice/Support
- Reporting

# Awareness Programme



# Thinning Demonstrations



# Wood Energy Entrepreneurs



# Kerry Farm Forestry Owners

- Cluster Group Structure for joint marketing of timber in Kerry
- Initiated and driven by forest owners themselves
- Technical support provided by Teagasc/ Forest Service
- Growing membership
- Forest owners engaging directly with market



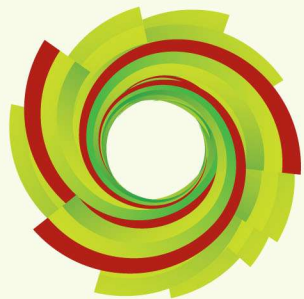
# Firewood for Stoves / Log Gasification Boilers



# Acknowledgements

- Those who provided funding:
  - Forest Service
  - Local agencies/organisations
- Kerry Wood Energy Group members
- Forest Owners
- Project co-ordinators
- Wood Chipping Entrepreneurs
- Dr Máirtín McSiurtáin/COFORD/Forest Service
- Kerry County Council/Tralee Town Council

**THANK  
YOU**



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